portion of the cavity such that the first and second clamshells form a cavity when in the closed position, and

the at least two differing hardness layers of the filler includes first, second, third, and fourth layers, and the first and second layers are within the first portion of the cavity and the third and fourth layers are within the second portion of the cavity.

18. The system according to claim **17**, wherein the at least one parameter is one of a type of formation of the liquid, a volume of the liquid, and a shape of the liquid.

19. The system according to claim **17**, wherein the at least one processor determines an existence of a streaming condition using the image data.

20. The system according to claim **17**, further comprising a background pattern positioned within the field of view of the image sensor, wherein the drip chamber is between the image sensor and the background pattern.

21. The system according to claim **17**, wherein the target parameter is a target flow rate.

22. The system according to claim **17**, wherein the target parameter is a target drop-growth rate.

23. The system according to claim **17**, wherein the housing of the valve includes first and second clamshell portions.

24. The system according to claim **17**, wherein the first layer is disposed on an inner surface of the first clamshell portion that defines the first portion of the cavity and the second layer is disposed on the first layer.

25. The system according to claim **24**, wherein the second layer defines a channel to guide the tube.

26. The system according to claim **24**, wherein the fourth layer is disposed on an inner surface of the second clamshell portion that defines the second portion of the cavity and the third layer is disposed on the fourth layer.

27. The system according to claim **26**, wherein the third layer defines a channel to guide the tube.

28. The system according to claim **26**, wherein the second layer is stiffer than the first layer.

29. The system according to claim **28**, wherein the third layer is stiffer than the fourth layer.

30. The system according to claim **17**, wherein the valve further comprises a spring operatively coupled to the guide and the plunger to urge the plunger away from the housing.

31. The system according to claim **17**, wherein the actuator is configured for being controlled by a monitoring client.

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